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Patent No. 6,903,658  
Request for Cert. of Correction dated June 16, 2006  
Attorney Docket No. 51825

Cajc



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : 6,903,658 Confirmation No. 6238  
Inventors : Kane et al.  
Issued : June 7, 2005  
Title : METHOD AND SYSTEM FOR ENSURING  
THAT A TRAIN OPERATOR REMAINS  
ALERT DURING OPERATION OF THE TRAIN  
Examiner : Jennifer A. Stone  
Customer No. : 001609

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT  
FOR PTO MISTAKE (37 C.F.R. 1.322(a))

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Certificate  
JUN 21 2006  
of Correction

ATTENTION: Decision and Certificate of Correction Branch  
Patent Issue Division

Sir:

In accordance with 35 U.S.C. §254, we attach hereto Form PTO/SB/44 and a copy of proof of PTO errors and request that a Certificate of Correction be issued in the above-identified patent. The following errors appear in the patent as printed:

Column 11, Line 32, Claim 18, "configured is to accept" should read  
-- configured to accept --  
(See application as filed, page 23, Claim 18, lines 3-4.

Column 12, Line 66, Claim 34, after "a sequence", insert  
-- displayed on a wayside signal device --  
(See Examiner's Amendment accompanying the Notice of Allowance mailed 02/11/2005,  
page 2, 1. (a).

Column 13, Line 39, Claim 40, delete "a signals" and insert therefore -- a signal --  
(See Examiner's Amendment accompanying the Notice of Allowance mailed 02/11/2005,  
page 2, 1. (b).

Respectfully submitted,

ROYLANCE, ABRAMS, BERDO & GOODMAN, L.L.P.

By

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JUN 21 2006

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

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PATENT NO. : 6,903,658  
APPLICATION NO. : 10/671,625  
ISSUE DATE : June 7, 2005  
INVENTORS : Kane et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 11, Line 32, Claim 18, "configured is to accept" should read  
-- configured to accept --

Column 12, Line 66, Claim 34, after "a sequence", insert  
-- displayed on a wayside signal device --

Column 13, Line 39, Claim 40, delete "a signals" and insert therefor -- a signal --

MAILING ADDRESS OF SENDER: Roylance, Abrams, Berdo & Goodman, L.L.P.  
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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-2450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select Option 2.

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taking corrective action if the sequence received from the operator is different from the first sequence.

15. The method of Claim 14, further comprising the steps of:

modifying the first sequence to produce a second sequence different from the  
5 first sequence; and

repeating the prompting step using the second sequence.

16. The method of Claim 15, wherein the modifying step is performed each time the prompting step is performed.

17. The method of Claim 14, wherein the prompting step is performed each  
10 time the operator is prompted to enter a signal displayed on the wayside signal device.

\* 18. A train control system comprising:

a controller located on a train;

an input device connected to the controller, the input device being configured  
to accept a signal from an operator of the train and to provide the signal to the  
controller;

a track database connected to the controller, the track database including a  
location of at least one wayside signal device; and

a positioning system in communication with the controller, the positioning  
20 system being located on the train and being configured to provide a position of the train to the controller;

wherein the controller is configured to perform the steps of:

this  
language is  
correct

per Ex.  
Amend.  
2/11/2005

\* 34. A method for promoting train operator alertness comprising the steps of:

prompting an operator to repeat a sequence, *→ displayed on a wayside  
signal device*

accepting a sequence from the operator,

comparing the sequence from the operator to the sequence of the prompting

5 step, and

taking corrective action if the sequence from the operator does not match the  
sequence of the prompting step.

35. The method of Claim 34, wherein the prompting step is performed at  
random intervals.

10 36. The method of Claim 34, wherein the prompting step is performed at  
periodic intervals.

37. The method of Claim 34, wherein the prompting step is performed in  
connection with entry of a first signal by the operator, the first signal corresponding  
to a wayside signal device.

15 38. The method of Claim 37, further comprising the steps of:  
receiving a second signal from the wayside signaling device;  
comparing the first signal entered by the operator to the second signal; and  
taking corrective action if the first signal does not match the second signal.

39. The method of Claim 37, further comprising the step of taking corrective  
20 action if the first signal is not valid.

\* 40. A train control system comprising:

a controller located on a train;

an input device connected to the controller, the input device being configured  
to accept a signal from an operator of the train and to provide the signal to the

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controller, the signal being entered by the operator using one of more of a plurality of buttons;

a track database connected to the controller, the track database including a plurality of locations, each of the locations corresponding to one of a plurality of wayside signal devices; and

a positioning system in communication with the controller, the positioning system being located on the train and being configured to provide a position of the train to the controller;

a receiver connected to the controller, the receiver being configured to receive a signal [a signals] from the wayside signal device;

wherein the controller is configured to perform the steps of:

determining when a train is near a wayside signal device based on a position of the train received from the positioning system and a location of the device received from the track database;

prompting an operator to enter a signal displayed on the wayside signal device;

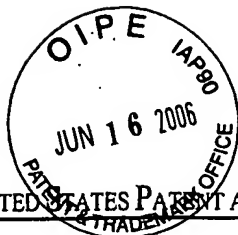
receiving a first signal from the operator via the input device;

receiving a second signal from the wayside signal device via the receiver;

taking corrective action if the first signal does not match the second signal or if the train is not operated in compliance with the second signal; and rearranging the buttons after the first signal is received.

41. The train control system of Claim 40, further comprising a transmitter connected to the controller, wherein the controller is further configured to perform

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2/11/2006



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/671,625	09/29/2003	Mark Edward Kane	3805-018-27	6238

7590 02/11/2005

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EXAMINER

STONE, JENNIFER A

ART UNIT

PAPER NUMBER

2636

DATE MAILED: 02/11/2005

**Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**  
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 74 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 74 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

JUN 27 2006



**Examiner's Amendment**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. James Heintz on January 26, 2005.

The application has been amended as follows:

- a. Claim 34, line 2, page 27: after the phrase "prompting an operator to repeat a sequence", add --displayed on a wayside signal device,--.
- b. Claim 40, line 10, page 28: change "a signals" to --a signal--.

**Allowable Subject Matter**

2. Claims 1-45 are allowed.

The following is an examiner's statement of reasons for allowance: A method and device for promoting operator awareness during operation of a train comprising: prompting an operator to enter a signal displayed on a wayside signal device.

The most relevant prior art is Adams (US 5,392,030). However, Adams discloses promoting operator awareness during operation of a train where an operator is prompted to enter a signal displayed interior a train where the signal is generated from a processor on a train.

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U.S. Patent No. 6,903,658  
Paper Dated: June 16, 2006  
Attorney Docket No. 51825



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Title : METHOD AND SYSTEM FOR ENSURING  
THAT A TRAIN OPERATOR REMAINS  
ALERT DURING OPERATION OF THE TRAIN  
Group Art Unit : 2636 Confirmation No. : 6238  
Examiner : Jennifer A. Stone Customer No. 001609  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF SERVICE**

Honorable Commissioner:

I hereby certify that a copy of the attached Request for a Certificate of Correction is being mailed, via First Class Mail with the United States Postal Service in an envelope with sufficient postage addressed to the patent owner's attorney: "Steven B. Kelber, DLA Piper Rudnick Gray Cary U.S. LLP, 1200 Nineteenth Street, N.W., Washington, D.C. 20036-2412" on June 16, 2006.

Respectfully submitted,

By John E. Holmes

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